

# Magnets and Heat

**Grade Levels:**

**K-3**

**Question:**

**Does temperature affect the force of a magnet?**

**Possible Hypotheses:**

**Temperature does/does not affect the force of a magnet.**

**Materials:**

**Magnet**

**Paper clips**

**Hair drier**

**Procedure:**

1. Record the number of paper clips the magnet can lift at room temperature.
2. Place the magnet in a freezer for 15 minutes. Record the number of paper clips the magnet can lift.
3. Use a hair drier to warm the magnet. Record the number of paper clips the magnet can lift.

**Analysis and Conclusion:**

**Does changing the temperature of a magnet affect its force?**

